

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IL2005/000278

A. CLASSIFICATION OF SUBJECT MATTER

INV. 601C9/06 601C9/20 601C9/32
ADD. 601C9/18

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

601C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 335 190 A (NAGLE ET AL.) 2 August 1994 (1994-08-02) cited in the application	1-17
Y	figures 1,15,19,21A-21D column 1, line 48 - line 63 column 3, line 23 - column 4, line 16 column 8, line 10 - line 14	18
A	GB 2 223 847 A (TERENCE FREDERICK FISHER) 18 April 1990 (1990-04-18) figures 1-3	1-3,5-13
	-/-	



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

8 document member of the same patent family

Date of the actual completion of the international search

16 March 2006

Date of mailing of the international search report

13.04.2006

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax (+31-70) 340-3018

Authorized officer

Santos, M

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IL2005/000278

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 503 622 A (SWARTZ ET AL.) 12 March 1985 (1985-03-12) figures 1,2 column 1, line 47 - line 65 column 2, line 26 - line 32 column 5, line 5 - line 7 column 7, line 17 - line 20	1-3,5-13
A	GB 2 158 230 A (ROBERT WILLIAM ROWLAND) 6 November 1985 (1985-11-06) figure 1 page 2, line 66 - line 70 page 3, line 14 - line 21	1
X	US 2002/043001 A1 (YASHIRO ET AL.) 18 April 2002 (2002-04-18) abstract	18-20, 22,23
A	figures 2,3(a)(b)(c),4-7,9 claims 1,2,5-7 paragraph [0002] paragraph [0014] - paragraph [0016] paragraph [0019] - paragraph [0020] paragraph [0038] - paragraph [0041] paragraph [0043] - paragraph [0045] paragraph [0063] - paragraph [0064] paragraph [0069] - paragraph [0070]	6-13
X	US 4 528 760 A (PLUMMER) 16 July 1985 (1985-07-16)	18,20, 22,23
Y	figure 1	19
A	column 1, line 22 - column 2, line 60 column 4, line 1 - line 45 column 5, line 28 - line 68	6-13
X	US 4 628 612 A (HORI ET AL.) 16 December 1986 (1986-12-16) abstract figures 1,4 claims 1,23 column 1, line 7 - column 2, line 34 column 3, line 4 - line 17 column 7, line 13 - line 15	18,20, 22,23
X	GB 2 204 136 A (VEB MESSGERATEWERK "ERICH WEINERT" MAGDEBURG) 2 November 1988 (1988-11-02) abstract page 1, line 3 - line 22 page 2, line 7 - line 26 page 3, line 24 - page 6, line 3 page 6, line 17 - line 20 page 7, line 14 - line 23 page 8, line 4 - line 9	18,22,23

-/--

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IL2005/000278

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	PATENT ABSTRACTS OF JAPAN vol. 011, no. 126 (P-569), 21 April 1987 (1987-04-21) & JP 61 270611 A (MATSUSHITA ELECTRIC WORKS LTD), 29 November 1986 (1986-11-29) abstract figures 2,6,7	18
A	WO 02/082017 A (KOREA RESEARCH INSTITUTE OF STANDARDS AND SCIENCE; APPLIED CAPACITANCE) 17 October 2002 (2002-10-17)	18
Y	figures 7a,7b page 17, line 13 - line 22 page 19, line 3 - line 16	19
A	US 6 449 857 B1 (ANIKOLENKO) 17 September 2002 (2002-09-17) column 1, line 29 - line 52 column 2, line 19 - column 3, line 19	18-25

INTERNATIONAL SEARCH REPORT

International application No.
PCT/IL2005/000278

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☒ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
1-30
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

☐ The additional search fees were accompanied by the applicant's protest.

☒ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-17

Digital spirit level comprising a housing with a leveling surface and a display screen for displaying inclination measurements of surfaces upright relative to 0 DEG horizontal irrespective of the attitude of said leveling surface.

2. claims: 18-30

Digital spirit level comprising a housing with a leveling surface and a inclination measurement module for determining inclination of surfaces as a function of the capacitances of a pair of variable capacitors.

3. claims: 31-39

Digital spirit level comprising a housing with a leveling surface and a inclination measurement module for determining inclination of surfaces as a function of an electric field for maintaining a meniscus of a dielectric liquid at a pre-determined reference position.

INTERNATIONAL SEARCH REPORT

 International Application No
 PCT/IL2005/000278

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5335190	A	02-08-1994	NONE	
GB 2223847	A	18-04-1990	NONE	
US 4503622	A	12-03-1985	CA 1212228 A1 CH 658314 A5 EP 0123460 A2 FR 2544857 A1 IT 1199108 B JP 59202013 A	07-10-1986 31-10-1986 31-10-1984 26-10-1984 30-12-1988 15-11-1984
GB 2158230	A	06-11-1985	NONE	
US 2002043001	A1	18-04-2002	NONE	
US 4528760	A	16-07-1985	DE 3175141 D1 EP 0035340 A2 GB 2070774 A JP 56137108 A	25-09-1986 09-09-1981 09-09-1981 26-10-1981
US 4628612	A	16-12-1986	DE 3581707 D1 EP 0183454 A2 JP 1785782 C JP 4076043 B JP 61126414 A	14-03-1991 04-06-1986 31-08-1993 02-12-1992 13-06-1986
GB 2204136	A	02-11-1988	DD 272781 A3 DE 3744411 A1	25-10-1989 17-11-1988
JP 61270611	A	29-11-1986	NONE	
WO 02082017	A	17-10-2002	KR 2002078425 A	18-10-2002
US 6449857	B1	17-09-2002	NONE	